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a first stator support member supporting one side of the divided-coil type stator;
a second stator support member supporting the other side of the divided-coil
type stator; and

a plurality of positioning projection members which are located between the first
and second stator support members,

wherein the divided-coil type stator, the first and second rotors are rotatably
disposed in a concentric relationship to form a three-layer structure, and both distal
ends of the respective stator cores are rigidly supported with the first and second
stator support members with ~~a given equal distance~~, and

wherein each of the positioning projection members remains between adjacent
stator cores to allow the stator cores to be positioned with the given equal distance.

5. (Amended) A stator support structure for an electric rotary machine
according to claim 2, wherein the stator cores are integrally supported with and
coupled to the first and second stator support members by a plurality of fixing pins.

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6. (Amended) A stator support structure for an electric rotary machine
according to claim 2, wherein the first and second stator support members are made of
a material having nonmagnetic and high heat conducting properties.

7. (Amended) A stator support structure for an electric rotary machine
according to claim 2, wherein each of the first and second stator support members has
a flow passage for passing coolant medium.

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11. (Amended) A stator support structure for an electric rotary machine
according to claim 2, wherein each of the stator cores has a flow passage formed
around fixing bolts for fixing the stator cores, each of the stator cores being treated
with a sealing material to form the flow passages for passing a coolant medium.

13. (Amended) A stator support structure for an electric rotary machine, comprising:

a divided-coil type stator including a plurality of divided stator cores and a plurality of stator coils wound around the stator cores, respectively;

a first rotor disposed inside the divided-coil type stator;

a second rotor disposed outside the divided-coil type stator;

first stator support means for supporting one side of the divided-coil type stator;

second stator support means for supporting the other side of the divided-coil type stator; and

a plurality of positioning projection means which are located between the first and second stator support means,

wherein the divided-coil type stator, the first and second rotors are rotatably disposed in a concentric relationship to form a three-layer structure, and both distal ends of the respective stator cores are rigidly supported with the first and second stator support means with a given equal distance, and

wherein each of the positioning projection means remains between adjacent stator cores to allow the stator cores to be positioned with the given equal distance.

14. (New) A motor/generator, comprising:

a stator comprised of a plurality of stator cores;

a first stator support attached to one side of said stator;

a second stator support attached to another side of said stator; and

a plurality of stator core supports projecting from said first stator support toward said second stator support, said plurality of stator cores being arranged on said plurality of stator core supports at a substantially equal angular distance from one another about said stator.

15. (New) The motor/generator according to claim 14, wherein the plurality of stator core supports are integrally formed with said first stator support.

16. (New) The motor/generator according to claim 14, wherein the plurality of stator core supports project from said first stator support to said second stator support.

17. (New) The motor/generator according to claim 14, wherein each of the plurality of stator cores are press fit between adjacent stator core supports.

18. (New) The motor/generator according to claim 14, further comprising:
a plurality of fixing pins for fixing said plurality of stator cores to said first and second stator supports.

19. (New) The motor/generator according to claim 14,
wherein each of the first and second stator support members includes a coolant flow passage, and

wherein each of the plurality of stator core supports includes a coolant flow passage such that a coolant flow path is established between said first and second stator support members.

20. (New) The motor/generator according to claim 19, further comprising a plurality of fixing bolts, each of said fixing bolts being disposed within the coolant flow passage of a respective stator core support.

21. (New) The motor/generator according to claim 14, further comprising:
a first rotor disposed within said stator; and
a second rotor disposed outside of said stator.